

## DERWENT PUBLICATIONS LTD.

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Laminated panel of glass and plastics - comprises plastics layer,  
layer of amorphous, thermoplastic polyester adhesive and glass  
layer

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Panel comprises (a) a layer of plastics plate; (b) a layer of  
adhesive comprising amorphous, internally plasticised  
thermoplastic polyester; and (c) a layer of glass board.

Polyester is prep'd. from (d) dicarboxylic acid such as (i) 80-100  
mol.% of terephthalic acid or its alkylester or (ii) 0-20 mol.% of  
other dicarboxylic acid, and (e) glycol such as (iii) 5-30 mol.%  
ethylene glycol, (iv) 50-90 mol.% triethylene glycol or (v) 5-50  
mol.% 1,5-pentanediol. Content (i)+(ii)= 100 mol.%, and  
(iii)+(iv)+(v)= 100 mol.%.

Plastics is e.g. polycarbonate, polyester, polystyrene, PVC or  
cellulose. Thickness of plastics plate is 0.5-6 mm. Thickness of  
glass board is pref. below 3 mm. Thickness of adhesive is pref.  
below 200 microns.

Laminated panel having a thin adhesive layer and improved  
adhesive strength, water resistance and weathering resistance is  
produced. The plastic plate has no whitening or cracking. (6pp  
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